

HYBRID VEHICLE POWERTRAIN WITH IMPROVED REVERSE DRIVE PERFORMANCE

Abstract

A hybrid-electric powertrain for a wheeled vehicle having an internal combustion engine, an electric generator, an electric motor and a battery. Transmission gearing establishes multiple torque flow paths including a forward drive torque flow path and a reverse drive torque flow path, the motor being isolated from forward drive gearing elements as it acts as a sole reverse drive power source.